

Methanesulfonyl Chloride

Moisture-sensitive sulfonylation reagent for professionally controlled intermediate synthesis.

CAS No. 124-63-0	EC / List No. 204-706-1	Transport Class 6.1 — Toxic; subsidiary risk 8
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Product Information

Moisture-sensitive sulfonylation reagent for professionally controlled intermediate synthesis.

Specifications

Parameter	Specification
Appearance	Colourless to light-yellow transparent oily liquid
Assay	>99.5 %
Colour, APHA	≤20
Water	≤20 ppm
Iron	≤10 ppm
Heavy metals	≤10 ppm

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	CH ₃ ClO ₂ S
Molecular weight	114.55 g/mol

Applications

Alcohol mesylation: Reagent for conversion of qualified alcohol substrates to mesylates.

Sulfonamide synthesis: Sulfonylation reagent for selected sulfonamide and related intermediate routes.

Fine-chemical intermediates: Building reagent for technically supervised pharmaceutical and agrochemical intermediate synthesis.

Packaging / Storage

Item	Information
Packing	250 kg net PE drums, IBC or ISO tank
Storage	Store locked and tightly sealed in dry, compatible original containers in a cool, ventilated area. Exclude water and moisture; segregate from bases, alcohols, oxidizing agents and incompatible reactants.
Handling	Use a closed, dry transfer system with effective local extraction. Prevent inhalation and all skin or eye exposure; use chemical-resistant gloves, protective clothing and eye/face protection. Establish respiratory and emergency controls through a qualified exposure assessment.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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